

FUSTOS, Ferenc.

Role of international cooperation in the development of manufacturing railroad vehicles at the Ganz-Mavag Factory. Ujitalap 15 no.244-5 25 D '63.

1. Ganz-Mavag muszaki igazgatoja.

FUSTOS, Ferenc

Tasks of the people's control. Musz elet 18 no.7:7 28 Mr '63.

1. Ganz-MAVAG muszaki igazgatoja.

FUSTOS, Janos

Thoughts on planning an optimal flax industry plant for manufacturing white and dyed goods. Magy textil 15 no.4:157-164 Ap '63.

FUSTOS, Kalman (Cluj, Rumania)

Slide rule for determining atmospheric humidity. Idojaras 65 no.5:  
272-278 S-0 '61.

(Humidity) (Slide rule)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUSTOK, Kalman, okleveles gépeszmérnök, fotótervező (Cluj, Románia)

Most recently constructed hydroelectric power stations in the  
Romanian People's Republic. Vizugyi kozl no. 2:200-214 '63.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

HUNGARY

BENYO, Imre, Dr, IHASZ, Mihaly, Dr, FUSY, Fridolin, Dr; Medical University of Budapest, II. Surgical Clinic (Budapesti Orvostudomanyi Egyetem, II. sz. Sebeszeti Klinika) (director: RUBANYI, Pal, Dr, professor).

"Electric Intraluminal Stimulation of the Duodenum and the Micromotility of the Intestines."

Budapest, Magyar Sebeszet, Vol XVI, No 5, Oct 63, pages 282-284.

Abstract: [Authors' Hungarian summary] In dogs under chloralose anesthesia, the intraduodenal square wave electric stimulation of the duodenum or the jejunum has no effect on the micromotility, that is, the motion of the villi, as opposed to its effect on the macromotility of the intestines. Although a tonic shortening of the villi and corresponding anemia is seen closely around the stimulating electrode, distant effects are absent. The arterial blood pressure remains unchanged during intraluminal stimulation of the duodenum or the jejunum. 5 Hungarian, 4 Western references.

1/1

ACC NR: AP6020838

SOURCE CODE: HU/0018/65/017/005/0454/0457

AUTHOR: Benyo, Imre; Fusy, Fridolin; Ihasz, Mihaly; Varga, Lajos (Technical assistant); Samson, Lenke (Technical assistant)  
ORG: II. Surgical Clinic, Medical University of Budapest (II. sz. Sebeszeti Klinika, BOTE --- Budapesti Orvostudomanyi Egyetem)

TITLE: Effect of short-wave irradiation of the liver on the elimination of bromsulphalein from the blood

SOURCE: Kiserletes orvostudomany, v. 17, no. 5, 1965, 454-457

TOPIC TAGS: liver, blood, radiotherapy, hematology, radiation biologic effect

ABSTRACT:

On the basis of controlled studies performed on subjects with normal liver function, it has been determined that the elimination of bromsulphalein from the blood is significantly increased by 15 minutes of short-wave irradiation of the liver. As a result of the irradiation, the dye retention in the blood was decreased by 19 per cent within 7 minutes and by 54 per cent within 15 minutes, in comparison with the controls. The phenomenon is thought to be related to an increased liver perfusion due to the radiation. The clinical therapeutic aspects of this observation are discussed. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 10Jul64 / ORIG REF: 002 / OTH REF: 012

Card 1/1

HUNGARY

DETKY, Barna, Dr, FUSY, Jozsef, Dr; Medical University of Budapest, II. Surgical Clinic (director: MESTER, Endre, Dr, professor) (Budapesti Orvostudomanyi Egyetem, II. sz. Sebeszeti Klinika).

"An Operated Case of Urachal Cyst."

Budapest, Magyar Sebeszet, Vol XIX, No 2, Apr 66, pages 126-130.

Abstract: [Authors' Hungarian summary] On hand of a case observed, the literature on persistent urachus and its complications are surveyed; it is evident that this developmental anomaly is relatively very rare. The conclusion is reached and confirmed by the case presented that the disorder may remain without symptoms for a long time. When the possibility of this anomaly is kept in mind, a single symptom of the disease will enable one to approach the diagnosis from the right direction; it can be confirmed by examinations and the disorder can be corrected by surgery. 10 Eastern European, 20 Western references.

1/1

HUNGARY

MORAVI, Janos, Dr, FUSY, Fridolin, Dr; Medical University of Budapest, II. Surgical Clinic (Budapesti Orvostudomanyi Egyetem, II. sz. Sebeszeti Klinika) (director: RUBANYI, Pal, Dr, professor).

"Liver Tissue in the Wall of the Gall Bladder."

Budapest, Magyar Sebeszet, Vol XVI, No 5, Oct 63, pages 294-297.

Abstract: [Authors' German summary modified] After a definition of the concepts of hepar succenturiatum and lobus adjunctus hepatis, and the differentiation between the two, the case of a 41 year-old male patient is described briefly. During surgery for cholelithiasis, liver tissue has been found in the wall of the gall bladder. Among almost 4000 cases of cholecystectomy, this was the only case found. In the available foreign medical journals only 8 such cases are reported and none in Hungary. 1 Hungarian, 7 Western references.

1/1

LESLER, Antal, dr.; FUSY, FERENC, dr.

Osseous changes in acute leukemias. Magy radiol. 13 no.1:9-13  
Ja '61.

1. A Budapesti Orvostudomanyi Egyetem II. sz. Belklinikaja (igazgato:  
Gomori Pal dr. egyetemi tanar) rontgenlaboratoriumanak (vezeto:  
Leszler Antal dr. egyetemi docens) es az I. sz. Korbonctani Intezet  
(igazgato: Balo Jozsef dr. egyetemi tanar) kozlemenye.  
(BONE AND BONES radiog)  
(LEUKEMIA radiog)

## HUNGARY

IHASZ, Mihaly, FUSY, Jozsef, JAKAB, Tivadar, REFI, Miklos; Medical University of Budapest, II. Surgical Clinic (Budapesti Orvostudomanyi Egyetem, II. sz. Sebeszeti Klinika).

"Effect of Icterus on the Small Intestinal Mucosa."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 5, Oct 66, pages 490-495.

Abstract: [Authors' Hungarian summary] In dogs, in a state of icterus produced by ligation of the ductus choledochus and at certain serum bilirubin levels, motion of the intestinal villi is greatly decreased or ceases. If bile from the gall bladder or salts of the bile acids are introduced into the mesenteric artery, an initial increase in automatism is followed by a reversible inhibition or suspension of motion of the villi; the strongest effect is exerted by Na-glycocholate, followed by that of Na-taurocholate; Na-dehydrocholate had the weakest effect. Local application of bile or salts of bile acids to the mucosa exert a concentration-dependent stimulating effect on the motion of the villi. The stimulating effect of concentrated bile is more sluggish than that of the dilute one. The mechanism of the effect can be explained in terms of the influence of bile acids on the ganglia of the intestinal wall. Some references are made to the clinical aspects of these observations. 4 Hungarian, 23 Western references. [Manuscript received 13 Oct 65.]

1/1

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## PHYSIOLOGY

## HUNGARY

**APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000513920004-7**  
IHASZ, Mihaly, FUSY, Jozsef, KARIKA, Gyula, and KISS, Istvan; Surgical Clinic No 2 (II. sz. Sebeszeti Klinika) of the College of Medicine (Orvostudomanyi Egyetem), Budapest.

"Anaphylactoid Reaction and Intestinal Mucosa"

Budapest, Kiserletes Orvostudomany, Vol 18, No 6, 1966; pp 608-611.

Abstract: An anaphylactoid reaction was induced in dogs under chloralose narcosis by means of PVP (Subtosan "Specia") and the behavior of the intestinal mucosa was investigated with *in situ* methods. The substance has no local action on the mucosa. PVP injected into the mesenteric artery eliminates the chorionic automatism; a massive anemia is brought about and the mucus secretion is slightly increased. After intravenous injection the effect has a parallel and analogous course with the decrease in blood pressure. The mechanism of action of this phenomenon is attributed to the effect of the biogenic substances set free by PVP. 15 References, mainly Western. Manuscript received 29 Dec 65.

FUSZFAS, Laszlo; KIS, Samuel; UZSOKI, Ferenc

Quality deterioration of magnetic sound recordings after  
several playings. Kep hang 9 no.3:94-3 of cover Je '63.

1. Hunnia Filmstudio, Budapest.

FUSZFAS, Laszlo; KIS, Samuel; UZSOKI, Ferenc

Distortion measurement on loudspeakers by infrasound.  
Kep hang 8 no.4:107-110 Ag '62.

REF ID: A6513

Category: Slovakia/General Division. The Conservation of Nature.

A-5

Abs Jour: Ref. Zh.-Biol., No 9, 10 May, 1957, 34972

Author : Futak, J.

Inst. : not given

Title : Professor Socava Concerning the Preservation of Nature in Our Country.

Orig Pub: Ochrana prirody, 1955, 10, No 1, 21

Abstract: V.B. Socava, professor of Geobotany at the University of Leningrad, visited the National Park in the Tatra Mtns. and also a number of other reservations in Czechoslovakia and took notice of the necessity of developing scientific research work in the reservations for the analysis of important problems of the national economy. He expressed the thought that the study of petrified plants would help to distinguish valuable types which could be suitable for the warding off of erosion and for the assimilation of new lands.

Card : 1/1

-3-

Futak, J.

Note on the conservation of forests on the Kovacova Hills. p. 25.

Vol. 10, no. 1, Feb. 1955  
OCHRANA PRIRODY

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

FUTAK, J.

Congress of the Czechoslovak Botanical Society in the Tatra Mountains.  
p. 50. BIOLOGIA. (Slovenska akademia vied) Vol. 11, no. 1, 1956.

SOURCE: East European Accessions List, (EEAL) Library of Congress Vol. 5,  
No. 8, August 1956.

FUTAK, J.

Notes on the activities of the Czechoslovak Botanical Society in Slovakia.

P. 475, (Biologia) Vol. 12, no. 6, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

FUTAK, J.

MILITARY & NAVAL SCIENCES: GENERAL

Periodical NASA VEDA. Vol. 5, no. 11, Nov. 1958.

FUTAK, J. 12th International Phytogeographic Excursion in Czechoslovakia. p. 501.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

FUTAK, Jan, doc.

Ecology and distribution of certain rare plants in the southern section of the Strazovska Hornatina Mountains. Biologia 16 no.6: 420-427 '61.

1. Biologicky ustav Slovenskej akademie vied, Oddelenie geobotaniky a systematiky rastlin, Bratislava, Sienkiewicsova 1.

(Czechoslovakia—Plants)

## [ ] CZECHOSLOVAKIA

FUTAK, J., (Affiliation not given.),

"Fiftieth Anniversary Meeting of the Czechoslovak Botanical Society."

Bratislava, Biologia, Vol. 18, No. 3, 53, pp 243 - 244.

Abstract: The meeting was held in Prague between the 1st and 5th July 1962. The meeting was attended by over 200 scientists from Czechoslovakia and 50 from abroad. The countries represented were; USA, Great Britain, Denmark, Holland, Iraq, Yugoslavia, Canada, Hungary, Germany West and East, Poland, Roumania, Russia and Tasmania. Over 40 scientific lectures were delivered.

No references.

[ ] 1/1

## [ ] CZECHOSLOVAKIA

FUTAK, Jan, Dr of Natural Sciences, Candidate of Sciences, Docent, of the Department of Geobotany and Plant Systematics (Oddelenie geobotaniky a systematiky rastlin), Botanical Institute (Botanicky ustav), Slovak Academy of Sciences, Bratislava.

"Genus Diphasium Presl Em. Rothm. (Lycopodium L.P.F.) in Slovakia"

Bratislava, Biologia, Vol XVIII, No 4, 63, pp 256-264.

Abstract [Author's German summary, modified]: Two families and four genera of the order Lycopodiales are determined. Described and located are Diphasium complanatum, Diphasium issleri, and Diphasium alpinum. D. issleri is a new genus found in Slovakia. Occurrence of Diphasium chamaecyparissus has not been proved. Illustration and map. Nineteen references, including 4 Czech, 1 Slovak, 1 Hungarian, and 1 Polish.

[ ] 1/1

I 24205-66 FBD/EWT(1)/EWT(m)/EEC(k)-2/T/EWP(t)/EWP(k)/EWA(h) IJP(c) w3/  
ACC NR: AP6013077 JD/JG SOURCE CODE: UR/0048/66/030/004/0671/0674

AUTHOR: Limarenko, L. N.; Nosenko, A. Ye.; Pashkovskiy, M. V.; Furtak, S. P.

ORG: none

TITLE: Effects of x irradiation and heat treatment in different atmospheres on the optical and luminescence properties of cadmium tungstate [Report, Fourteenth Conference on Luminescence held in Riga 16-23 September 1965] 27

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4, 1966, 671-674

TOPIC TAGS: laser optic material, cadmium compound, terbium, luminescence, crystal phosphor, thermoluminescence

ABSTRACT: In view of the fact that most solid laser materials emit in the red and infrared, it is of interest to develop materials that emit in the other parts of the visible region. Among the rare earths that can form visible radiation emitting centers are terbium, europium, and dysprosium. The problem in forming new laser materials consists in incorporating these desirable ions into the lattice. In the present work ZnWO<sub>4</sub> and CdWO<sub>4</sub> single crystals were grown from melts by the Czochralski technique; reagent grade and spectroscopically pure raw materials were employed. The activator was Tb with one-tenth as much lithium added to the batch to facilitate incorporation of the Tb into the tungstate lattice. In some cases CaO was employed to "loosen" the lattice.

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ACC NR: AP6013077

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The best results were obtained with the  $\text{CdWO}_4$ . The luminescence measurements were performed on plates cleaved from the single crystals parallel to the (010) planes. UV stimulated luminescence curves are presented for "pure" and Tb-doped (1% Tb + 3% CaO)  $\text{CdWO}_4$  specimens; the doped specimens at liquid nitrogen temperature have a high double peak at about 840 m $\mu$ , whereas the pure compound has a broad peak centered at about 500 m $\mu$ . The x-ray stimulated spectra were also investigated; these indicate that different excitation mechanisms are involved. This is substantiated by the glow curves (presented in a figure) recorded for doped crystals after UV and after x-ray excitation.  $\text{CdWO}_4:\text{Tb}^{3+}$  crystals grown in air were slightly smoky. X irradiation of clear crystals at room temperature resulted in light coloring, but no significant change of the photoluminescence. Annealing in oxygen led to bleaching, also with no significant change in luminescence properties. Annealing in vacuum (1 hour at 700°C) resulted in noticeable darkening of the crystals and reduction of the luminescence intensity by a factor of about three. The probable reasons for this are suggested. The changes in the glow curves as a result of doping with Tb and Ca are briefly described. Orig. art. has: 2 figures.

[15]

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 005/  
ATD PRESS: 4245

Card 2/2 BLG

FRANKL, J.; FUTAR, R.; MAGYAR, K.

Data on the effects of Bismocillin, Orv. hetil. 93 no. 32:935  
10 Aug 1952. (CLML 23:5)

1. Doctor for Frankl and Futar. 2. Department of Internal Diseases  
(Head Physician -- Prof. Dr. Jozsef Frankl), Kaposvar General Hos-  
pital, Somogy County.

FUTAWKA, J.

FUTAWKA, J. For better organization of practical training during the summer vacation.  
p. 183

Vol. 12, no. 6, June 1956  
PRZEGIAD PAPIERNICZY  
TECHNOLOGY  
Lodz, Poland

So: East European Accession Vol. 6, no. 2, 1957

*Sutekov, S.*

AUDZHIKOV, S.  
Surname (in cyr), Given Name

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: not indicated

Sources: Sofia, *Biulleten*, No 2, Mar/Apr 61, pp 21-24

Date: "A Typhoid Fever Epidemic Originating From Drinking Water."

Co-authors:

KOZH-RE, Sofia

SUTEKOV, S.

TODEV, M.

BANCHEVA, A.

4

FUTEKOV, Radko K., inzh.

Production of steamed beechwood as experienced at the State Industrial Enterprise "Sredna gora" of Panagiurishte. Durvomebel prom 5 no.3:30-31 My-Je '62.

1. Durzhavo industrialno predpriatie "Sredna gora", Panagiurishte.

FUTEKOVA, K., inzh.; KHRISTOV, Khr.

A simplified nondestructive method for controlling spot welding.  
Mashinostroyenie 13 no.6:44-45 '64

1. BTR pri EAZ, Plovdiv.

FUTER, D. S.

USSR/Medicine - Meninges, Tuberculosis  
Medicine - Streptomycin

May 1947

"Preliminary Data on Tuberculous Meningitis Treatment with Streptomycin,"  
L. S. Stern, U. A. Rosin, D. S. Futer, E. V. Frokhorovich, 4 pp

"Byul Eksp Biol i Med" Vol XXIII, No 6

General discussion of clinical observations. It is concluded that longer periods  
of observation are necessary.

PA 14T7

FUTER, D. I. PROF

PA 34/49T59

USSR/Medicine - Children, Diseases      Sep/Oct 48  
Medicine - Tuberculous Meningitis,  
Therapy

"Clinical Study on Tuberculous Meningitis, Treated  
by Suboccipital Introduction of Streptomycin," Prof.  
P. S. Futer, Ye. V. Prokhorovich, Cen Pediatrics Inst  
FUTER, Children's Clinical Hosp, 5 pp

"Pediatriya" No 5

Presents results of observations of 180 patients.  
Method of treatment was worked out under supervision  
of Acad L. S. Shtern.

34/49T59

PA 21/49T80

USSR/Medicine - Meninges, Tuberculosis      Sep/Oct 48  
Medicine - Streptomycin

"Further Clinical Observations of Tubercular  
Meningitis in Children Undergoing Streptomycin  
Therapy," Prof D. S. Futer, Ye. V. Prokhorovich, 4<sup>1</sup>/<sub>2</sub> pp

"Problemy Tuberkuleza" No 5

Presents data on 164 patients. Discusses effectiveness of streptomycin therapy.

LC

21/49T80

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, D. S.

Futer, D. S. - "Streptomycin treatment of tubercular meningitis", Vracheb. delo, 1949,  
No. 4, paragraphs 307-12.

SO: U-4329, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

FUTER, D. S.  
126

Cysts following open cerebral trauma Vop. Neirokhir. 1950, 6 (!1-!6) Traumatic cysts may be situated intra-or subdurally or intracerebrally. They produce a clinical picture of increased intracranial pressure and focal signs. Frequent remissions are characteristic. Distinction from cerebral abscesses is difficult. Surgical treatment offers the only prospect of success. Decker - Munich

SC: EXCERPTA MEDICA, Vol. 5, No. 1, Sec. VIII, Jan. 1952

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTAL, D. S.; FROKNEROVICH, YE. V.

Streptomycin - Therapeutic Use

Tubercular meningitis and its treatment with streptomycin. Reviewed by I. V. Tsimbler. Probl. tub., No. 6, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

FUTER, D.S.

Chronic forms of tuberculous meningitis. Zh. nevropat. psikiat., Moskva  
52 no.2:46-53 Feb 52. (CLML 21:5)

1. Professor. 2. Of the Central Pediatric Institute RSFSR and of the  
Children's Clinical Hospital.

PATSKHVEROVA, A.G.; FUTER, D.S., professor, zaveduyushchiy; BORISOV, S.P., professor, direktor; PROKHOROVICH, Ye.V., zasluzhennyj vrach RSFSR, glavnnyj vrach.

Clinical aspects and diagnosis of paralysis of the facial nerve in acute poliomyelitis. Pediatrilia no.4:49-54 Jl-Ag '53. (MLRA 6:9)

1. Klinika nervnykh bolezney TSentral'nogo nauchno-issledovatel'skogo pediatricheskogo instituta na baze Klinicheskoy detskoj bol'nitsy (for Futer). 2. TSentral'nyy nauchno-issledovatel'skiy pediatricheskiy institut na baze Klinicheskoy detskoj bol'nitsy (for Borisov). 3. Klinicheskaya detskaya bol'nitsa (for Prokhorovich). (Paralysis, Facial) (Poliomyelitis)

FUTER, D.S. (Moscow).

Present state of the problem of acute poliomyelitis. Zmir.nevr.i psikh. 53  
no.8:632-641 Ag '53. (MLRA 6:9)

1. Gosudarstvennyy pediatricheskiy institut RSFSR.

(Poliomyelitis)

PUTER, D.S. (Moscow)

Development of the theory on the pyramidal system. Zhur.nevr.i  
psich. 53 no.11:866-872 N '53. (MLRA 6:12)  
(Brain, Localization of function)

FUTER, D.S.

FUTER, D.S., professor; BOVA, Ye.A., redaktor; BOBROVA, Ye.I., tekhnicheskij redaktor

[Differential diagnosis and cure of tuberculous meningitis]  
Diferentsial'naia diagnostika i lechenie tuberkuleznogo meningita.  
Moskva, Gos. izd-vo med. lit-ry, 1954. 170 p. (MLRA 7:9)  
(Meningitis)

FUTER, D.S., professor (Moscow).

Phthivazide and hydrazide of isonicitinic acid in the treatment  
of tubercular meningitis; according to data from a literature  
survey. Pediatriia no.1:52-57 Ja-F '54. (MLRA 7:3)  
(Meningitis) (Tuberculosis)

FUTER, D.S., professor (Moscow).

Present day status of the problems of tuberculous meningitis;  
according to data from a literature survey. Probl.tub. no.1:  
67-74 Ja-F '54. (MLRA 7:3)  
(Tuberculosis) (Meningitis)

FUTER, D.S., professor; SERGEYCHUK, Ye.V., doktor

Clinical aspect, pathogenesis and therapy of muscular dystrophies.  
Pediatriia no.2:55-60 Mr-Ap '54. (MLRA 7:6)

1. Iz kliniki nervnykh bolezney Pediatriceskogo instituta  
RSFSR i detskoy klinicheskoy bol'nitsy (Moskva)  
(PROGRESSIVE MUSCULAR DYSTROPHY, in infant and child,  
\*clin. aspects, pathogen. & ther.

FUTER, D.

"Clinical aspects and therapy of diseases of the lumbar and sacral peripheral nervous system"; a bibliographical index. Reviewed by D.Futer. Zhur. nevr. i psikh. 54 no.8:684 Ag '54. (MLRA 7:9)  
(BIBLIOGRAPHY--NERVOUS SYSTEM--DISEASES)  
(NERVOUS SYSTEM--DISEASES--BIBLIOGRAPHY)

FUTER, D.S., professor

"Epidemic infantile paralysis," S.E.Bansburg, Kopelevich, S.M.  
Reviewed by D.S.Futer. Pediatrilia no.3:85-86 My-Je '55 (MLRA 8:10)  
(POLIOMYELITIS) (GAMZBURG, S.E.) (KOPELEVICH, S.M.)

FUTER, D.S., professor.

Present-day trends in studying the clinical aspects, prevention,  
and treatment of poliomyelitis. Pediatriia, no.6:3-10 N-D '55.

(MLRA 9:6)

1. Iz Pediatriceskogo instituta Ministerstva zdravookhraneniya RSFSR  
(dir. kandidat meditsinskikh nauk V.N. Karachevtseva)  
(POLIOMYELITIS  
clin. aspects, prev. & ther.)

IUTTER, D.S., professor(Moskva)

Visceral function disorders in poliomyelitis. Klin. med. 33 no.9:  
511 S '55. (MIR 9:2)

(POLIOMYELITIS, pathology,  
visceral)

FUTER, D.S.

FUTER, D.S. (Moskva)

Principles and methods of present-day therapy of acute poliomyelitis.  
(MLRA 8:4)  
Zhur.nevr. i psikh. 55 no.2:140-144 F '55.  
(POLIOMYELITIS, therapy.)

L 14 Y 2 C 2 P 5

USSR/Virology. Viruses of Man and Animals.

E-3

Abs Jour: Ref. Zh.-Biol., No 9, 1957, 35411

Author : Futer, D.S..

Inst :

Title : Concerning Complications in the Severely Proceeding Forms  
of Acute Poliomyelitis, their Pathophysiology and Treatment.

Orig Pub: V sb.: 6-ya nauch. sessiya Gos. n.-i. detsk. ortoped. in-ta,  
1954, L, 1956, 71-78

Abstract: No abstract.

Card : 1/1

-6-

PUTER, D.S.; ZAKHAROVA, N.I.; TAL'PIS, L.F.

Encephalomyelitis with bulbar disturbances. Tracheotomy. Recovery.  
Vop. okh. mat. i det. l no.1:78-80 Ja-F '56. (MLRA 9:9)

1. Iz kliniki nervnykh bolezney (zav.-prof. D.S.Puter) Gosudarstvennoho pediatriceskogo instituta Ministerstva zdravookhraneniya RSFSR (dir. V.N.Karachevtseva) i Detskoy klinicheskoy bol'nitsy (glavnyy vrach Ye.V.Prokhorovich) Moskva.

(ENCEPHALOMYELITIS) (TRACHEA--SURGERY)

FUTER, D.S., professor

Trip to Germany. Zdorov's 2 no.6:26-29 Je '56.  
(GERMANY, EAST--DESCRIPTION AND TRAVEL)  
(POLIOMYELITIS)

(MLRA 9:8)

Futer

RUMANIA / Virology. Viruses of Men and Animals.

E-3

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21727

Author : Futer

Inst :

Title : Contemporary Trends in the Study of Clinical, Prophylactic, and  
the Therapy of Poliomyelitis.

Orig Pub: An. Rom-Sov. Ser. pediatr., 1956, 10, No 2, 85-92

Abstract: No abstract.

Card : 1/1

-2-

FUTER, D.S. (Moskva)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000513920004-7

Prevention of poliomyelitis by means of passive and active immuniza-  
tion. Zhur.nevr. i psikh. 56 no.5:361-369 '56. (MIRA 9:8)

(POLIOMYELITIS, prev. and control.  
immunization, passive & active, review)

EXCERPTA MEDICA Sec.17 Vol.4/4 Public Health,etc.Apr 58

1186. ON THE ROLE OF EXOGENIC FACTORS IN THE ETIOLOGY OF POLIOMYELITIS (Russian text) - Footer D.S. Moscow - PEDIATRIIA 1957,  
3 (6-13) Illus. 4

Among the exogenous factors in poliomyelitis high significance has been attributed to tonsillectomy and prophylactic vaccinations against diphtheria, smallpox and whooping cough. The author was unable to establish any connection between tonsillectomy and polio in 350 children struck with polio, possibly because most of the cases concerned early childhood when tonsillectomy is rarely performed. However, in 16 children prophylactic vaccination against smallpox and diphtheria were followed 2 weeks to 2 months later by attacks of poliomyelitis.

Anigstein - Galveston, Tex. (L. 7, 8, 11, 17)

FUTER, R. S.

FUTER, R. S. (Moskva)

Achievements and tasks in the study of neuropathology of childhood.  
Zhur.nevr. i psich. 57 no.2:801-805 '57. (MIRA 10:9)  
(NERVUS SYSTEM, diseases,  
in child. (Rus))

FUTER, D.S.

[Diseases of the nervous system in children] Zabolevaniia nervnoi sistemy u detei. Moskva, Medgiz, 1958. 461 p. (MIRA 11:4)  
(NERVOUS SYSTEM--DISEASES)

FUTER, D.S., prof. (Moskva)

Poliomyelitis control in the Russian Federation. Vop. okhmat. i  
det. 3 no.2:3-7 Mr-Ap '58.  
(POLIOMYELITIS) (MIRA 11:3)

FUTER, David Solomonovich

[Acute poliomyelitis] Ostryi poliomielit. Moskva, Medgiz, 1958.  
190 p. (MIRA 12:4)  
(POLIOMYELITIS)

FUTER, D.S. (Moskva)

Fourth International Conference on Poliomyelitis in Geneva; personal  
impressions. Zhur.nevr.i psich. 58 no.3:360-364 '58. (MIRA 13:3)  
(POLIOMYELITIS)

FUTER, D.S. (Moskva)

Present-day problems in tuberculous meningitis. Zhur.nevr. i psich.  
85 no.11:1332-1341 '58 (MIRA 12:1)  
(TUBERCULOSIS, MENINGEAL,  
current problems, review (Rus))

FILIMONOV, I.N., prof.; KONONOVA, Ye.P., prof.; LAVRENT'YEV, B.I., prof.;  
PLECHKOVA, Ye.K., prof.; SNEZAREV, P.Ye., prof., zasluzhennyj  
deyatel' nauki; GRASHCHENKOV, N.I., otv.red.; BOGOLEPOV, N.K.,  
prof., red.; DAVIDENKOV, S.N., red.; MIKHEYEV, V.V., prof.,  
red.; RAZDOL'SKIY, I.Ya., red.; SMIRNOV, L.I., red.; FUTER,  
D.S., prof., red.; SENCHILO, K.K., tekhn.red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po  
nevrologii. Moskva, Gos.izd-vo med.lit-ry. Vol.1, book 1.  
[Anatomy and histology of the nervous system] Anatomija i gisto-  
logija nervnoj sistemy. 1959. 487 p. (MIRA 12:8)

1. Chlen-korrespondent AMN SSSR (for Filimonov, Razdol'skiy,  
Smirnov). 2. Chlen-korrespondent AN SSSR (for Lavrent'yev, Grashchen-  
kov). 3. Deystvitel'nyy chlen AMN SSSR (for Grashchenkov, Davidenkov).  
(NERVOUS SYSTEM)

FUTER, D.S.; PROKHOROVICH, Ye.V.; SHAPIRO, G.B.; GRABOVA, F.N.

Urgent problems in the treatment of tuberculous meningitis. Vop.  
oich.mat. i det. 4 no.6:3-7 N-D '59. (MIRA 13:4)

1. Iz Gosudarstvennogo pediatricheskogo instituta Ministerstva  
zdravookhraneniya RSFSR i detskoy gorodskoy klinicheskoy bol'nitsy  
No.1 (Moskva).  
(MENINGES--TUBERCULOSIS)

FUTER, D.S.; YAMPOL'SKAYA, E.I.

Listerella meningitis. Zhur.nerv.i psikh. 59 no.7:777-780 '59.  
(MIRA 12:11)  
1. Gosudarstvennyy nauchno-issledovatel'skiy pediatricheskiy institut  
Ministerstva zdravookhraneniya RSFSR (dir. A.P. Chernikov) na baze  
1-y Detskoy klinicheskoy bol'nitsy (glavnnyy vrach Ye.V. Prokhorovich).  
(MENINGITIS, microbiology,  
Listeria monocytogenes (Rus))  
(LISTERIA, infect.)  
monocytogenes meningitis (Rus))

FUTIN, D.S.

DAVIDENKOV, S.N., prof.; GAKKEL', L.B., prof.; KUPALOV, P.S., prof.;  
GALKIN, V.S., prof. [deceased]; POPOV, Ye.A., prof.; USPENSKIY,  
Ye.A., doktor med.nauk; TYAPUGIN, N.P., kand.med.nauk; LEV,  
A.A., kand.med.nauk; FILIMONOV, N.I., zamestitel' otv.red.;  
BOGOLEPOV, N.K., prof., red.; MIKHEYEV, V.V., prof., red.;  
RAZDOL'SKIY, I.Ya., red.; FUTIN, D.S., prof., red.; ROGOVSKY,  
A.B., kand.med.nauk, red.; RUBLEVA, M.S., tekhn.red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po  
nevrologii. Leningrad, Gos.izd-vo med.lit-ry, Leningr. otd-nie.  
Vol.6. [Neuroses, epilepsy, and narcolepsy] Nevrozy, epilepsiia  
i narkolepsiia. Red.toma S.N.Davidenkov. 1960. 532 p.

(MIRA 13:8)

1. Deystvitel'nyye chleny AMN SSSR (for Davidenkov, Kupalov,  
Popov). 2. Chleny-korrespondenty AMN SSSR (for Filimonov, Raz-  
dol'skiy).

(NEUROLOGY)

FUTER, D.S.; YAMPOL'SKAYA, E.I.

Clinical observations on children vaccinated against poliomyelitis  
(Salk vaccine). Sov. med. 24 no.6:9-16 Je '60. (MIRA 13:9)

1. Iz Gosudarstvennogo pediatriceskogo instituta Ministerstva  
zdravookhraneniya RSFSR.  
(POLIOMYELITIS)

FUTER, D.S.; ZHUKOVA, Ye.K.; YAKUNIN, Yu.A.

Problem of tonsillectomy and poliomyelitis. Pediatriia 38  
no.9:68-71 S '60. (MIRA 13:12)

1. Iz gosudarstvennogo pediatricheskogo instituta Ministerstva  
zdravookhraneniya RSFSR (dir. - A.P. Chernikova) i detskoy  
gorodskoy bol'nitsy No.1 (glavnnyy vrach - zasluzhennyy vrach  
RSFSR Ye.V. Prokhorovich).

(TONSILS—SURGERY) (POLIOMYELITIS)

FUTER, D.S. (Moskva)

Organization of care of children with organic diseases of the nervous system. Zhur.nevr.i psikh. 60 no.7:769-772 '60.

(MIRA 14:1)

(NERVOUS SYSTEM--DISEASES)

(PEDIATRICS)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, D.S.

"Neurology of infancy" by A.Dekaban. Reviewed by D.Puter. Zhur.  
nevr.i psikh. 60 no.7:912-918 '60. (MIRA 14:1)  
(CHILDREN—DISEASES) (NERVOUS SYSTEM—DISEASES)  
(DEKABAN, A.)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

FUTER, D.S. (Moskva).

Problems in the control of poliomyelitis and related diseases in  
the R.S.F.S.R. Vop. okh. mat. i det. 6 no. 2:3-5 F '61.

(MIRA 14:2)

(POLIOMYELITIS)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, D. (Moskva)

"Allergic encephalomyelitis"; proceedings of a symposium. Zhur.  
nevr.i psikh. 61 no.2:300-305 '61. (MIRA 14:6)  
(ENCEPHALOMYELITIS)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, D.

"Infectious and toxic diseases of the nervous system." Reviewed by  
D. Futer. Zhur. nevr. i psich. 62 no.1:154-156 '62. (MI:U 15:4)  
(NERVOUS SYSTEM--DISEASES)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, D.S.; RONKIN, M.A.; NAZAROVA, E.M.

Clinical electroencephalographic study of epilepsy following  
tuberculous meningitis. Zhur. nevr. i psikh. 61 no.7:984-994  
'61. (MIRA 15:6)

(MENINGES--TUBERCULOSIS) (EPILEPSY)  
(ELECTROENCEPHALOGRAPHY)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

FUTER, D.S. (Moskva)

Evolution of the clinical picture of poliomyelitis during the  
past 15 years. Zhur. nevr. i psikh. 61 no.7:957-961 '61.  
(MIRA 15:6)  
(POLIOMYELITIS)

DAVIDENKOVA-KUL'KOVA, Ye.F., prof.; MIKHEYEV, V.V., prof.; MARKOV, D.A., prof., akademik; PANOV, A.G., prof.; SAKHAROV, Yu.N., dotsent; FUTER, D.S., prof.; KHONDKARIAN, O.A., prof.; SHAMBUROV, D.A., prof.; DAVIDENKOV, S.N., prof., otd. red.; BOGOLEPOV, N.K., prof., zam. otd. red.; OSTROVERKHOV, G.Ye., glav. red.; GRASHCHENKOV, N.I., prof., red.; KORMYANSKIY, G.P., prof., red.; RAZDOL'SKIY, I.Ya., prof., red.; FILIMONOV, I.N., prof., red.; BARAKHINA, I.L., tekhn. red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz. Vol.3. Book 1[Infectious and topic diseases of the nervous system] Infektsionnye i toksicheskie bolezni nervnoi sistemy. 1962. 524 p. (MIRA 15:11)

1. Akademiya nauk Belorusskoy SSR (for Markov). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Davidenkov, Grashchenkov, Filimonov). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for RAZdol'skiy).

(NERVOUS SYSTEM—DISEASES)

FUTER, D.S. (Moskva)

Achievements and problems in the study of neuroinfections in  
children. Zhur.nevr.i psikh. 62 no.7:961-965 '62. (MIRA 15:9)  
(NEUROLOGY)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, D.

"Cerebrospinal fluid in childhood" by H.Schónenberg. Reviewed by  
D. Futer. Zhur.nevr.i psikh. 62 no.7:1110-1112 '62. (MIRA 15:9)  
(CEREBROSPINAL FLUID)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

FUTER, D.S. (Moskva)

Critical notes of a clinician on Selye's theory of the adaptation syndrome. Zhur.nevr.i psikh. 62 no.8:1253-1261 Ag '62.

(MIRA 15:12)

(STRFSS (PHYSIOLOGY))(ADAPTATION (BIOLOGY))

FUTER, David Solomonovich; PROKHOROVICH, Yermolay Vasil'yevich; Prinimali  
uchastiye: SHAPIRO, T.B.; NAZAROVA, E.M.; GRABOVA, F.N.; MARTINSON, A.S.,  
red.; PETROVA, N.K., tekhn.red.; PRONINA, N.D., tekhn.red.

[Tubercular meningitis in children] Tuberkuleznyi meningit u  
detei. Pri uchastiif T.B.Shapiro, E.M.Nazarova i F.N.Grabovoi.  
Moskva, Medgiz, 1963. 278 p.  
(MENINGITIS)

FUTER, D.S. (Moskva)

Current concepts of the role of enteroviruses in the pathogenesis of neuroinfections. Klin. med. 41 no.9:20-27 S'63  
(MIRA 17:3)

FUTER, D.S. (Moskva)

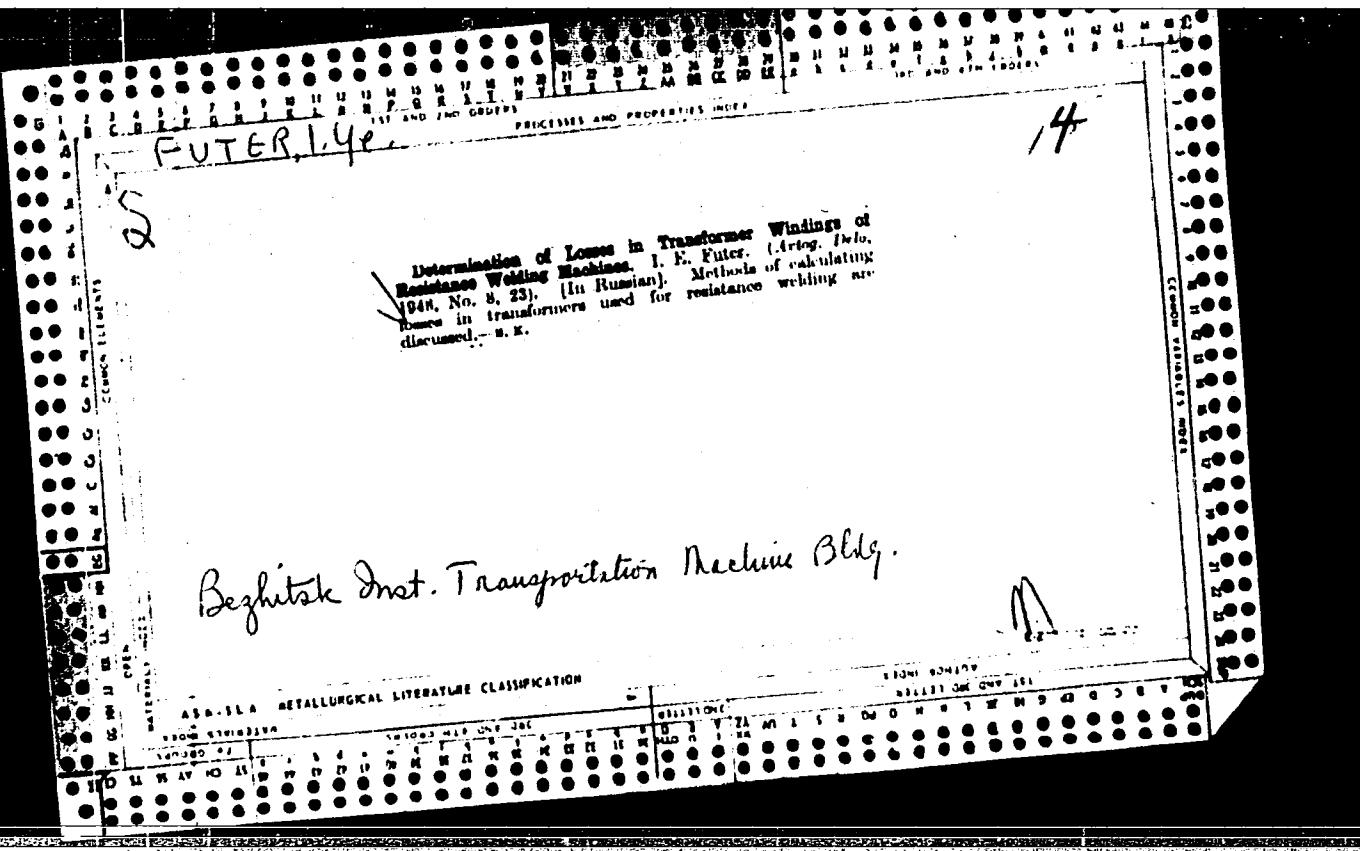
Basic aspects in the study of muscular dystrophies (myopathies).  
Zhur. nevrt. i psikh. 63 no. 7:953-957 '63. (MIRA 17:7)

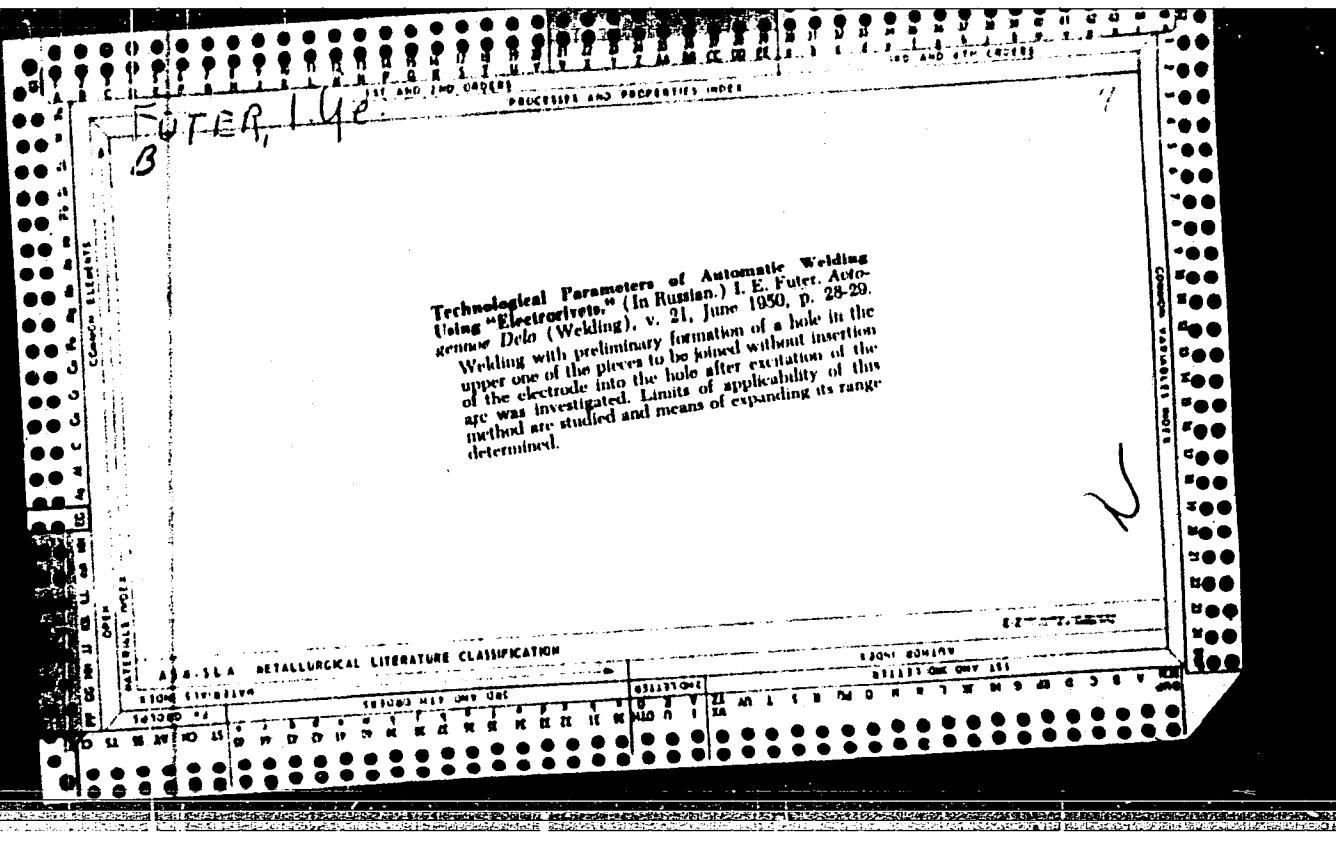
FUTER, D.S. (Moskva)

Significance of modern theory on enteroviruses in clinical  
neuropathology. Zhur. nevr. i psich. 63 no.10:1583-1586 1981.  
(MIRA 77:5)

FUTER, D. (Moskva)

Basic problems of the pathology of the nervous system of  
newborn infants and young children. Zhur. nevr. i psikh. 64  
no. 7/953-958 '64. (KRA 17:12)





AID P - 2725

Subject : USSR/Engineering

Card 1/1 Pub. 78 - 22/27

Author : Futer, I. Ye.

Title : About one kind of crack in welded tanks

Periodical : Neft. khoz., v. 33, #6, 89, Je 1955

Abstract : The author analyses cases of occurrence of cracks in welded tanks and finds that they are located mostly in places where the vertical tank wall segments are welded to the bottom. He suggests greater control over those welded seams to ensure perfect welded connections.

Institution : None

Submitted : No date

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

FUTER, I.Ye.

Do we need cut-off valves? Gaz. prom. 8 no. 4:30-31 '63.  
(MIRA 17:10)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

FUTVÍKA, A.

Improvers' movement in transportation. p. 226

ZEMĚDĚLÍČEK ("ministerstvo dopravy") Vol. 6, No. 9, Sept. 1956

Prague, Czechoslovakia

SOURCE: East European List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

FUTERGENDLER, S. I.

V. I. Iveronova, Z. I. Kuz'nina, S. I. Futergendler and E. I. Detlaf.  
Atomic dispersion of x-rays in solid solutions. P. 44

Faculty of Physics  
Moscow State Univ.

SO: Bulletin of the Acad. of Sciences, Izvestia (USSR) Series on Phys. Vol. 15, No. 1  
(1951) Discussion of the above paper. P. 52

X-ray identification of inclusions in diamond. S. I. Putey-gendler. *Zapiski Vsesoyuz. Mineral. Obschchestva* 1957, 6(28-9) (1958).—Laue diagrams of diamonds with inclusions show evidently that individual crystals of a pyrope-like garnet (with  $a_0 = 11.494$  or  $11.514$  kX), or a Cr spinel (with  $a_0 = 8.203$  and  $8.269$  kX, corresponding to picotite) are present. The spots belonging to the diamond host crystal are much brighter and larger than those of the inclusion crystals. The adjustment of the crystals to the axis of the incident x-ray beam is done by stereographic projection methods. The final value of the  $a_0$  values is derived from rocking diagrams (with  $\omega = 15^\circ$ ). No indication of a regular epitaxis was observed, as a rule. Some slight parallelisms of (111) for Cr spinel, with (111) for diamond, are excepted. W.P.

AUTHOR: Futergendler, S.I.

SOV/70-3-4-15/26

TITLE: An X-ray Study of Solid Inclusions in Diamonds (Rengenograficheskoye issledovaniye tverdykh vklucheniy v almazakh)

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 4, pp 494-496 (USSR)

ABSTRACT: Crystals of diamond with inclusions of 0.05 to 0.3 mm were examined by setting them on a single crystal X-ray goniometer so that the inclusion was in the beam and taking Laue and oscillation photographs. Three Lauegrams were normally first taken at 60° intervals. Garnet, olivine, diopside, chromium spinel and diamond inclusions were identified. The parameters of the garnet ( $a = 11.51$ ) corresponded to the almandine series. The diamonds studied often had the form of deformed dodecahedra and the diamonds included in them were generally octahedra, also deformed. The included crystals were usually coated with graphite .. For the spinel inclusions the [111] axis usually coincided with the [111] of the diamond. For diamond inclusions, the [010] of the crystal coincided with the [012] of the inclusion. For olivine, the coincidence of [101] of the diamond with the [011] of the inclusion reported by Mitchell and Giardini (Amer. Min. 1953,

Card1/2

An X-ray Study of Solid Inclusions in Diamonds SOV/70-3-4-15/26

Vol 38, p 136) was not found. Some of the Laue photographs are reproduced.

There 7 figures, 2 tables and 7 references, 3 of which are Soviet and 4 English.

ASSOCIATION: Tsentral'naya ekspeditsiya VSEGEI  
(Central Expedition VSEGEI)

SUBMITTED: July 31, 1958

Card 2/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7

GOMON, G.O.; FUTERGENDLER, S.I.

Two types of diamonds. Inform.sbor. VSEGEI no.16:97-102 '59.  
(MIRA 15:3)  
(Diamonds)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513920004-7"

KRAVTSOV, Ya.M.; FUTERGEMDLER, S.I.

Some data on diamonds found in the form of polycrystalline  
aggregates. Zap. Vses. min. ob-va 89 no.4:464-466 '60.  
(MIRA 13:11)

1. TSentral'naya ekspeditsiya Vsesoyuznogo nauchno-  
issledovatel'skogo geologicheskogo instituta, Leningrad.  
(Diamonds)

GOMON, G.O.; FUTERGENDLER, S.I.

Diamond with an unusual X-ray luminescence. Min. sbor. no.15:325-327  
'61. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut,  
Leningrad.  
(Diamonds) (Luminescence)

S/070/62/007/006/013/020  
E132/E435

AUTHORS: Titova, V.M., Futergendler, S.I.

TITLE: The orientation of graphite, formed on diamond as a result of its allotropic transformation on heating

PERIODICAL: Kristallografiya, v.7, no.6, 1962, 926-929

TEXT: Small octahedral crystals of diamond, shown by Laue photographs to be of type I, were heated to 3000°C at 100000 atm pressure for 5 minutes, upon which graphitization took place. 2000°C proved insufficiently hot. The 0002 maximum of scattering from the graphite coincided with the [111] direction of the diamond. The graphite was found to be a mixture of  $\alpha$ - and  $\beta$ -graphite as in natural graphite. The extra anomalous reflexions produced by the diamond were unchanged by the treatment. Diffuse streaks in the [111] direction were observed as are found after neutron bombardment. The graphite layer was removed by etching at 250°C in a silicate melt and the diamond was found to have lost 14% of its weight and to have become yellow. The surfaces of the faces had become matt and showed triangular pits. These are often encountered in natural diamonds in anti-parallel

Card 1/2

The orientation of graphite ...

S/070/62/007/006/013/020  
E132/E435

orientation as here. Normally, parallel oriented pits are produced by etching at 500 to 1000°C in various media. There are 6 figures and 1 table.

ASSOCIATION: Tsentral'naya ekspeditsiya VSYeGYeI  
(Central Expedition VSYeGYeI)

SUBMITTED: February 12, 1962

Card 2/2

ROVSHA, V.S.; FUTERGENDLER, S.I.

Pyroaurite from the kimberlites of Yakutia. Zap. Vses. min.  
(MIRA 17;9)  
ob-va 92 no. 3:354-359 '63.

1. TSentral'naya ekspeditsiya Vsesoyuznogo nauchno-issledovatel'skogo geologicheskogo instituta, Leningrad.

GNEVUSHEV, M.A.; GOMON, G.O.; FUTERGENDLER, S.I.

Relation of the luminescence of diamond to some of its other  
properties. Min. sbor. no.17:82-89 '63. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut,  
Leningrad.

FUTERGENDLER, S.I.

Overgrowth of rutile by diamond crystals. Geol. i geofiz. no.1:  
172-173 '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut,  
Leningrad.

ONEVUSHEV, M.A.; FUTEROENDLER, S.I.

Traces of magnetic melt in diamonds. Geol. i geofiz. no.2:155-157  
'65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut,  
Leningrad.

ACC NR: AR5020044

SOURCE CODE: UR/0031/65/000/012/E054/E055

AUTHOR: Gnevushov, M.A.; Gomon, G.O.; Futergendler, S.I.

41

ORG: none

B

TITLE: Connection between the luminescence of a diamond and some of its other properties

SOURCE: Ref. zh. Khimiya, Abs. 12E30

REF SOURCE: Mineralog. sb. L'vovsk. geol. o-va pri un-te, no. 17, 1963, 82-89

TOPIC TAGS: diamond, luminescence, x ray analysis

TRANSLATION: A study was made of the luminescence of more than 100 diamonds from the kimberlite shaft "Mir" (West Yakutiya); at the same time a study was conducted of the morphological peculiarities of diamonds: coloring and degree of transparency. Some of the samples were subjected to x-ray analysis. For certain groups of the diamonds, a correlation was established between the luminescent and roentgenostructural spectra and the morphological characteristics. R. Khmel'nitskiy.

SUB CODE: 20

Card 1/1

S/079/82/032/008/007/011  
I048/I242

AUTHORS: Novikov, I.N., Antonova, A.M., Zhilina, R.I.,  
Furticheva, R.P., Shatalov, V.P., and Zavgorodniy, S.V.

TITLE: Synthesis and autoxidation of isopropylcyclohexylbenzene

PERIODICAL: Zhurnal obshchey khimii, v. 32, no. 9, 1962, 2954-2957

TEXT: Experiments on the cycloalkylation of isopropylbenzene by cyclohexanol in the presence of sulfuric acid and the oxidation of the product thereof are described. The relative amounts of reagents taken for the alkylation varied from an isopropylbenzene/sulfuric acid molar ratio of 2:3 to 3:1.5 with 1 mole of cyclohexanol. The isopropylbenzene and sulfuric acid were mixed first, the cyclohexanol was added slowly (during 2.5-3 hrs) and the reaction was continued with stirring for another 4-5 hrs. The end of the reaction was indicated by a constant value of the refractive index of the organic phase. The main reaction product was isopropylcyclohexylbenzene; its yield was highest (81.2%) when the reagents were taken

Card 1/3

S/079/62/032/009/007/011  
I048/I242

Synthesis and autoxidation...

in the ratio isopropylbenzene/sulfuric acid/cyclohexanol = 3/3/1, and lowest (48.4%) when this ratio was 3:1.5:1. Variations in the temperature, within the range 10-40°C, had no significant effect on yield. The yield of by-products (isopropylcyclohexylbenzenes, cyclohexene polymers) varied between 10.2 and 23.5%. A chromatographic analysis showed that the isopropylcyclohexylbenzene is a 16:21:63 mixture of the O-, m-, and p-isomers. The isopropylcyclohexylbenzene was oxidized in air, at 110°C, in the presence of a small amount of an initiator (e.g., 1 wt % isopropylbenzene hydroperoxide) and a small amount of alkali (e.g., 0.1 wt % NaOH); the total yield of hydroperoxides varied between 67.0 and 71.5%, after a reaction time of 28-49 hrs. Among the hydroperoxides separated from the reaction product by extraction with NaOH were: n-isopropylcyclohexylbenzene dihydroperoxide (m.p. 105-106°C) and n-isopropylcyclohexylbenzene monohydroperoxide (m.p. 56-57°C). There are 2 figures and 2 tables.

Card 2/3

8/079/62/032/099/007/011  
I048/I242

Synthesis and autoxidation...

ASSOCIATION: Kievskiy polytekhnicheskiy institut (The Kiev Polytechnic Institute)

SUBMITTED: August 19, 1961

Card 3/3